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| L8       | 40   | varactor with capacitor and pll and ((frequency adj detector) with digital) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/10/10 17:59 |

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| L9  | 167  | ((frequency near2 detector) with digital) same (pll or (phase adj locked adj loop)) same vco | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/10 18:01 |
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| L11 | 64   | ((frequency near2 detector) with digital) with (pll or (phase adj locked adj loop)) with vco | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/10 17:59 |
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| L17 | 201  | varactor with capacitor and pll and (frequency adj detector)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;            | OR | ON | 2007/10/10 17:59 |
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| L23 | 617  | ((frequency near2 detector) with digital) and pll and vco                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/10 17:59 |

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| L25 | 13  | ((frequency near2 detector) with<br>digital) and analog adj loop and digital<br>adj loop and (pll or (phase adj locked<br>adj loop)) and vco  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OŅ | 2007/10/10 17:59 |
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|    | applied to a voltage controlled oscillator ( <b>VCO</b> ) 40, which produces a high frequency clocksignal at 42. The output frequency at 42 from <b>VCO</b> 40 is optionally provided to a divider circuitused if the output frequency 42 produced by <b>VCO</b> 40 is much larger than desired for the output |
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